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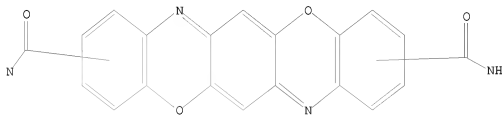
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:Atom 30:Atom

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 08:38:05 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 286 TO 954

PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 08:38:13 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 514 TO ITERATE

100.0% PROCESSED 514 ITERATIONS

25 ANSWERS

SEARCH TIME: 00.00.01

L3 25 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

178.36

178.57

FILE 'CAPLUS' ENTERED AT 08:38:17 ON 12 DEC 2008
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FILE COVERS 1907 - 12 Dec 2008 VOL 149 ISS 25
FILE LAST UPDATED: 11 Dec 2008 (20081211/ED)

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=> s l3

L4 7 L3

=> d ibib abs hitstr tot

14 ANSWER 1 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)

ACCESSION NUMBER: 143121064

TITLE: Triphenylloxazine pigments.

INVENTOR(S): Blum, David; Fluegg, Carsten; Kelpen, Tania

PATENT APPLICANT(S): Clariant, G.m.b.H., Germany

SOURCE: IGT Int. Appl., 27 pp.

DOCUMENT TYPE: Patent

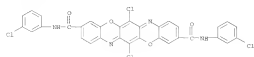
LARGE/SMALL: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

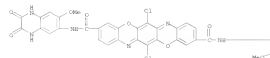
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14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



XXI 862367-48-4 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(1,2,3,4-tetrahydro-7-methoxy-2,3-dioxo-6-
 quinolonyl)- (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



XXI 862367-49-5 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(1,2,3,4-tetrahydro-3-methyl-2-oxo-1H-benzimidazol-5-yl)-
 (CA INDEX NAME)

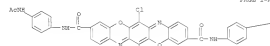
14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



XXI 862367-51-9 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 N3,N10-bis(4-(acetylamino)phenyl)-6,13-dichloro- (CA INDEX NAME)

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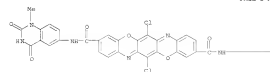


PAGE 1-B

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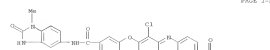
XXI 862367-52-0 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(1,2,3,4-tetrahydro-1-methyl-2,4-dioxo-6-
 quinoxalonyl)- (CA INDEX NAME)

PAGE 1-A



14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-A

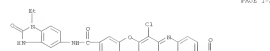


PAGE 1-B



XXI 862367-50-8 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(1-ethyl-2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-
 (CA INDEX NAME)

PAGE 1-A



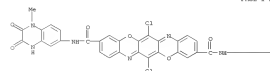
14 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

PAGE 1-B



XXI 862367-53-1 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(1,2,3,4-tetrahydro-1-methyl-2,4-dioxo-6-
 quinoxalonyl)- (CA INDEX NAME)

PAGE 1-A

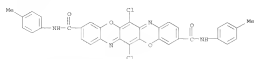


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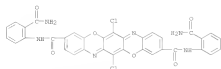


XXI 862367-54-2 CAPLUS
 CN 3,10-Trisubstituted benzimidazole-5-carboxamide,
 6,13-dichloro-NH, N10-bis(4-methylphenyl)- (CA INDEX NAME)

L4 ANSWER 1 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)

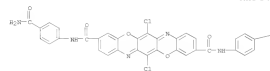


RI 862367-55-3 CAPLOS
 CH 3,10-bis(4-chlorophenyl)-6,13-dichloro-7,8-bis(2-(sulfonyl)phenyl)-4,5,11-trisubstituted triphenylamine (CA INDEX NAME)



RI 862367-56-4 CAPLOS
 CH 3,10-bis(4-chlorophenyl)-6,13-dichloro-7,8-bis(2-(sulfonyl)phenyl)-4,5,11-trisubstituted triphenylamine (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L4 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN

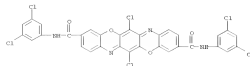
ACCESSION NUMBER: 1991164260 CAPLOS
 DOCUMENT NUMBER: 114164260
 ORIGINAL REFERENCE NO.: 114164260
 TITLE: Preparation of triphenylamines
 INVENTOR(S): Patzsch, Manfred; Mascher, Claus
 PATENT ASSIGNEE(S): BASF A.G., Germany
 SOURCE: Eur. Pat. Appl., 6 pp.
 DOCUMENT TYPE: COORD. EPUSM
 LANGUAGE: Patent
 FAMILY ACCT. NUM. COUNT: German
 PATENT INFORMATION: 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 400429	A2	19901205	EP 1990-109524	19900519
EP 400429	A3	19910227		
DE 3917602	B1	19910206	DE 1989-3917602	19900531
JP 03217084	A	19910225	JP 1990-138640	19900530
PRIORITY APPL. INFO.			DE 1989-3917602	A 19900531

OTHER SOURCE(S): MOPAT 114164260
 GC

L4 ANSWER 1 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)

RI 862367-57-5 CAPLOS
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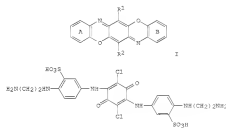
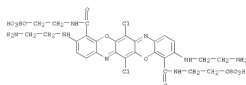


REFERENCE COUNT: 3
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FORMAT

L4 ANSWER 2 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN (Continued)

RI: SPN (Synthetic preparation); PREP (Preparation)
 CH: 133047-63-9 CAPLOS
 CH 4,11-trisubstituted triphenylamine
 2,10-bis(2-aminophenyl)-6,13-dichloro-7,8-bis(2-(sulfonyl)ethyl)-4,5,11-trisubstituted triphenylamine (CA INDEX NAME)



21

AB Triphenylamine derivative, 1 [R], R2 = H, Cl-4 alkyl, Cl-6 alkoxy, halo, (substituted) Ph or OPh, Rings A and B may be substituted or fused to a carbocyclic or heterocyclic ring) were prepared via intramolecular cyclization of

benzotriazinones in the presence of a metal perborate or percarbonate oxidizing agent using H2O2 at 0-15°, followed by addition of Na2O2·8H2O·2H2O. The mixture was stirred 2 h at 10-15° to give the corresponding 1.

IT 133047-63-9P

Habe

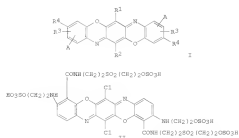
12/12/2008

14 ANSWER 3 OF 7 CAPLOS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1990:637340 CAPLOS
 DOCUMENT NUMBER: 111233340
 ORIGINAL REFERENCE NO.: 111233340, 39364
 TITLE: Reactive triphenediaxazine dyes
 INVENTOR(S): Tzibao, Athanasios; Anselmann, Peter
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Swiss.
 SOURCE: Eur. Pat. Appl., 23 pp.
 COINT: EP0000
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 365478	A2	19900425	EP 1989-830770	19891010
EP 365478	B2	19931209		
US 4,874,741	CH, DE, FR, GB, IT, JP	19900305	US 1989-622339	19910104
US 4,937,937	A	19900626	JP 1989-289252	19910106
JP 62161167	A	19900626	CH 1988-3877	19881018

PRIORITY APPL. INFO.:
 OTHER SOURCE(S):
 GI: MANPAT 113:23340

PAGE 3-A



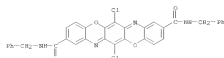
L4	MEMBER 5 OF 7 CAPLUS	COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:	1941:84401	CAPLUS
DOCUMENT NUMBER:	55:84401	
ORIGINAL REFERENCE NO.:	55:15949a-d	
TITLE:	Textile materials based on p- substituted heterocyclic com- pounds and made artistic Woolstein, Josef; Vogt, Adolf Faserforsch. Textiltech AG	
INVENTOR(S):		
INVENTOR ASSIGNEE(S):	Patent	
DOCUMENT TYPE:	Unavailable	
LANGUAGE:		
FAMILY ACC. NUM. COUNT:	1	
PATENT INFORMATION:		

[illegible]

L4 ANIMER 6 of 7 CARLOS COPPEZ2008 ACS on STN
ACCESSION NUMBER: 1951462732 CARLOS
DOCUMENT NUMBER: 45162732
ORIGINAL REFERENCE NO.: 4510606a-f
TITLE: Sulfur dyes of the dioxazine
INVENTOR(S): Robbins, Gordon B.
PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNTS: 1
PATENT INFORMATION:

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L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2008 ACS on STM (Continued)



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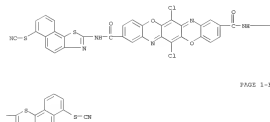
14 ANSWER 6 OF 7 : CAPLUS COPYRIGHT 2008 ACS ON STN (Continued)
6,13-dichloro-N,N'-bis[5-thiocyanatophtho[3,2-d]thiazol-2-yl]-
Ru: PREP (Preparation)


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 (prepn. of)
PRE 859322-82-0 CAPLUS
CN 3,10-Triphendioxazinedicarboxamide,
6,13-dichloro-N,N'-bis[5-thiocyanatophtho[3,2-d]thiazol-2-yl]- (5CI)
(CPL INDEX NAME)

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14 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

14 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

ACCESSION NUMBER: 195158053 CAPLUS
 DOCUMENT NUMBER: 45158053
 ORIGINAL REFERENCE NO.: 45158053-a
 TITLE: Sulfur dyes of the diazoxine series
 INVENTOR(S): Gallmann, Otto; Hohlman, Gordon B.
 PATENT ASSIGNEE(S): E. I. du Pont de Nemours & Co.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2543809		19510814	US 1949-100745	19490622

AB 79m. 5,11'-diaryltriphendioxazinedicarboxamides can be converted into sulfur dyes of desirable red shades by reaction with A5C13.252C12 complex to introduce 5-sulfonate groups. 4-Aminobiphenyl 10 parts and 3-amino-4-methoxybenzoic acid 12 are condensed in the presence of SOCl₂ and the nitro group is reduced with NaHS to form the aenyl anide of 3-amino-4-methoxybenzoic acid. This anide 6.5 is condensed with chloral.

1.3 to form 5,11'-diaryl-6,13-dichlorotriphenldioxazine-3,10-dicarboxamide (11). SOCl₂ 363 and anhydrous A5C13 80 are stirred together for several hrs.

at 80-100° to form A5C13.252C12. This sulfurizing complex 175 and 1.10 are allowed to react for 30 min. at 80°, drowned in ice water 1000 containing NaCl 50, and stirred until the excess of sulfurizing agent is decomposed. The mass is filtered, the precipitate is washed and extracted at 85° with a weakly alkaline solution 1500 parts, filtered, washed alkali-free, and dried at 75°. The product dyes cotton reddish orange from a sulfide vat. The 6,13-dicarboxamide isomerized with 1 after sulfurization dyes cotton pink from a sulfide vat.

IT 859321-81-9, 2,3-Triphenldioxazinedicarboxanilide, 6,13-dichloro-4',4''-diphenyl- (and 89c Even)

PH 859321-81-9 CAPLUS

CH 2,3-Triphenldioxazinedicarboxamide, 6,13-dichloro-4',4''-diphenyl- (CA INDEX NAME)

